

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: G2-1902-155-22

Luminaire Tested: **G8-W-PC-440-5600**

Test Date: 03/08/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-22
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/08/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-440-5600
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4.4, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

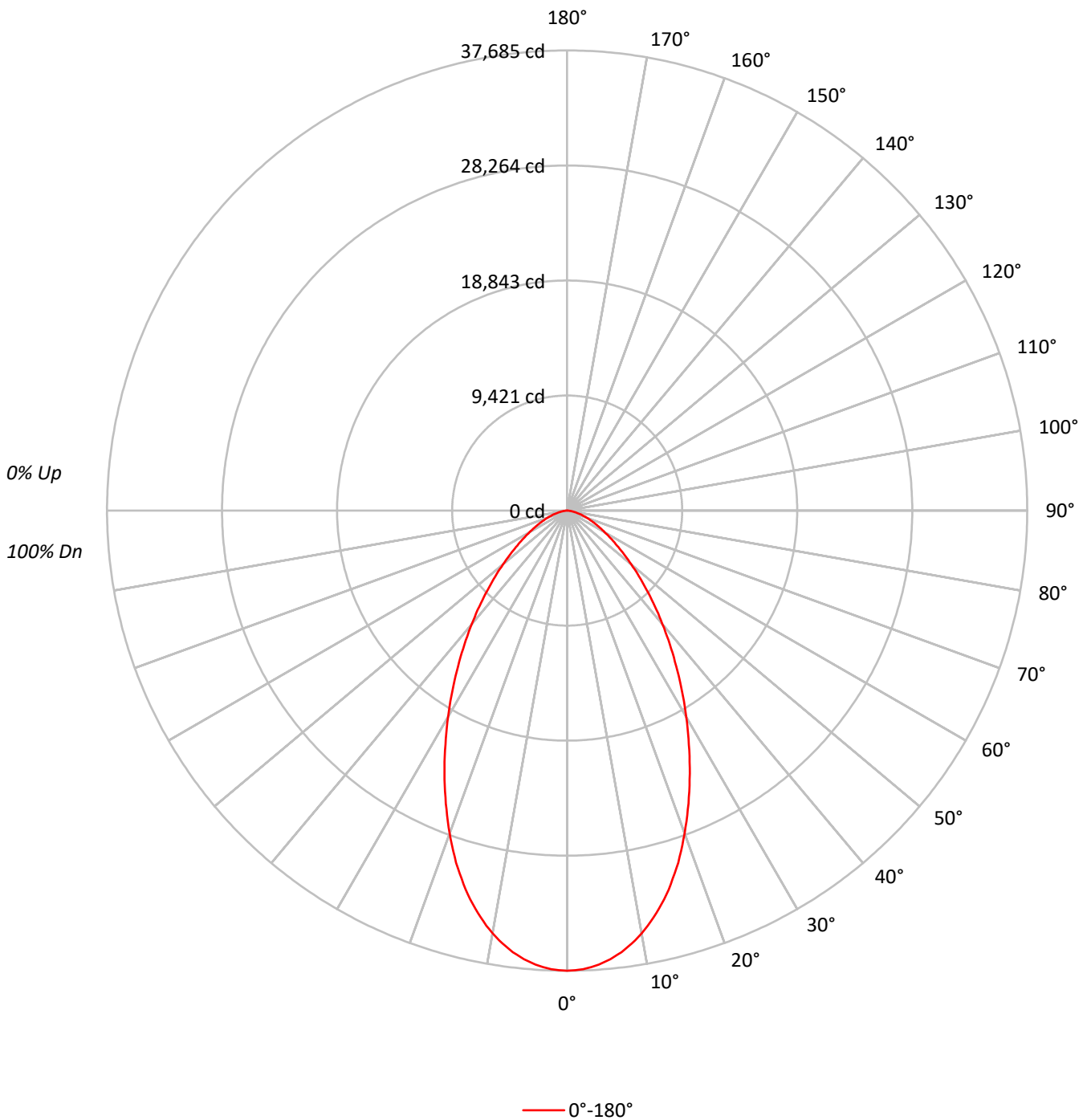
Lumens per Lamp: N/A
Luminaire Lumens: 48603.3 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 399.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	89	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67		75	70	66		73	69	65	64
5	85	74	67	61	83	73	66	61	71	65	60		69	64	60		68	63	59	57
6	79	68	61	55	78	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	56	50	73	62	55	50	61	55	50		60	54	50		58	53	49	48
8	70	59	51	46	69	58	51	46	57	50	46		56	50	46		54	49	45	44
9	66	55	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	41
10	62	51	44	40	61	51	44	40	50	44	39		49	43	39		48	43	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	337154
5°	332613
10°	319307
15°	297503
20°	267849
25°	234577
30°	201459
35°	170085
40°	141818
45°	117010
50°	95425
55°	77631
60°	63467
65°	52797
70°	43841
75°	36019
80°	26791
85°	16937



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3475.5	7.2
10°-20°	8952.1	18.4
20°-30°	10891.1	22.4
30°-40°	9752.5	20.1
40°-50°	7181.3	14.8
50°-60°	4510.5	9.3
60°-70°	2512.1	5.2
70°-80°	1117.4	2.3
80°-90°	210.9	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	23318.7	48.0
0°-40°	33071.2	68.0
0°-60°	44762.9	92.1
0°-90°	48603.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48603.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	37685	
5°	37036	###
15°	32120	8952
25°	23763	10891
35°	15573	9753
45°	9248	7181
55°	4977	4510
65°	2494	2512
75°	1042	1117
85°	165	211
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	37685
1°	37650
2°	37579
3°	37442
4°	37264
5°	37036
6°	36759
7°	36437
8°	36047
9°	35632
10°	35148
11°	34629
12°	34046
13°	33457
14°	32800
15°	32120
17.5°	30241
20°	28133
22.5°	25956
25°	23763
27.5°	21597
30°	19501
32.5°	17479
35°	15573
37.5°	13798
40°	12143
42.5°	10644
45°	9248
47.5°	7989
50°	6856
52.5°	5838
55°	4977
57.5°	4219
60°	3547
62.5°	2996
65°	2494
67.5°	2069
70°	1676
72.5°	1342
75°	1042
77.5°	760
80°	520
82.5°	318
85°	165
87.5°	33



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)